

## Message Text

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44

ACTION EUR-12

INFO OCT-01 ISO-00 OES-05 ACDA-10 CIAE-00 INR-07 IO-10

L-02 NSAE-00 NSC-05 RSC-01 FEAE-00 /053 W

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R 201538Z DEC 74

FM USMISSION EC BRUSSELS

TO AEC GERMANTOWN 1385

INFO SECSTATE WASHDC 8025

AMEMBASSY LONDON

UNCLAS EC BRUSSELS 10080

PASS TO H. BROWN, DR; R. DENISE, LT:TR; A.S. FRIEDMAN, DIP;  
E.E. KINTNER, RRD; H.C. KOUTS, RSR; G. MERCER, RRD;  
L.M. MUNTZING, DR; AND T. NEMZEK, RRD

E.O. 1162: N/A

TAGS: TECH, UK

SUBJECT: STATUS OF PFR

1. FOLLOWING INFORMATION PROVIDED BY SQUIRE DAVEY, CHIEF  
ENGINEER FOR PFR, RISELY, DURING TELECON OF DECEMBER 19, 1974.
2. PROBLEMS WITH PFR COMMISSIONING CONTINUES TO PREVENT COUPLING  
TO THE NORTH OF SCOTLAND ELECTRICITY BOARD'S ELECTRICAL GRID.
3. IN ADDITION TO A NUMBER OF STICKY AND LEAKY VALVES, WHICH ARE  
NOT UNEXPECTED, AND THE PROBLEMS AEC/BRUSSELS HAS PREVIOUSLY  
REPORTED, A SHAFT OF ONE OF THE BOILER FEEDWATER PUMPS CRACKED  
SEVERAL WEEKS AGO. FORTUNATELY, A SPARE SHAFT WAS AVAILABLE.  
THE FAULTY PUMP HAS BEEN REPAIRED AND NORMAL OPERATION OF THE  
UNIT IS NOW REPORTED.
4. MORE SIGNIFICANTLY, A SECOND STEAM GENERATOR LEAK WAS  
OBSERVED ABOUT ONE MONTH AGO. THE FIRST LEAK, REPORTED IN EC  
BRUSSELS' CABLES 8075 AND 8766, WAS IN THE EVAPORATOR OF THE NUMBER  
TWO LOOP - THE NEW LEAK IS IN A SUPERHEATER OF THE NUMBER THREE  
CIRCUIT. BY REMOVING THE EVAPORATOR TUBE BUNDLE AND INSERTING  
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AN ULTRASONIC PROBE INTO INDIVIDUAL TUBES, A MUNITE CRACK IN ONE

OF THE TUBE-TO-TUBE SHEET WELDS WAS FOUND. IT TOOK ONLY 20 MINUTES TO LOCATE THE DAMAGED TUBE. INDICATIONS ARE THAT THE NEW LEAK IS SIMILAR TO THE OLDER ONE.

5. AS REGARDS THE PRIMARY SYSTEM, OPERATION HAS BEEN WITHOUT INCIDENT. MAXIMUM REACTOR POWER TO DATE HAS BEEN 80 MWTH.

6. AS THE NUMBER ONE SECONDARY CIRCUIT HAS BEEN FULLY COMMISSIONED AND PERFORMS WELL, THERE IS A SMALL POSSIBILITY THAT THE PLANT MAY BE TIED TO THE GRID THIS WEEKEND BY ONE LOOP OPERATION AT 10 PERCENT NOMINAL POWER. POWER OPERATION WOULD, HOWEVER, BE LIMITED TO A FEW DAYS. BY INCORPORATING THE NUMBER THREE EVAPORATOR INTO THE NUMBER TWO CIRCUIT, IT IS BELIEVED THAT TWO LOOP OPERATION AT GREATER POWER CAN BE ACHIEVED SOON AFTER THE NEW YEAR. GREENWALD

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## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** GENERATORS  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 20 DEC 1974  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1974ECBRU10080  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
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**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D740371-0274  
**From:** EC BRUSSELS  
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